38. ms = 0.038 s

0.14 hm = 1400 cm

102. dL = 0.0102 kL

17 kg = 17000000 mg
1.7E7

2107 dam = 21.07 km

13128 mL = 13.128 L

Convert:

$1.789E9 =$ 1,789,000,000

$0.00000977 =$ 9.77E-6

$9.97 \times 10^{-2} =$ 0.0997

$108E14 =$ N/A

$0.00000000882 =$ 8.82E-9

$3.84E12 =$ 3,840,000,000,000

$3.84E-12 =$ 0.00000000000384

Scientific Method Worksheet:

1. Independent Variable:

Type of liquid → Qualitative

Dependent Variable:

Time → Quantitative (seconds)

Control: Water

Constants: Ice tray, time in freezer, temperature of freezer, amount of liquid, temperature of air, recording device

Potential for error:

temperature of air,

* amount of liquid

2. Independent Variable:

Detergent → Qualitative

Dependent variable:

cleanliness of square

→ Qualitative

Controls: Plain water

Constants: Amount of water, amount of detergent, temp. of water

Potential for Error:

amount of chocolate

size of stain

amount of detergent (some detergents require less than others)

3. Independent Variable:

Type of water → Qualitative

Dependent Variable:

Plant growth → Quantitative (cm)

Controls: Plant watered with just water

Constants: soil, pot, number and type of seeds, time of day watering, amount of water

Potential for Errors:

Type of dirt

Amount of water

Amount of light

Amount of fertilizer

Seeds themselves